## Approved For Release 2002/10/31 : CIA-RDP63-00313A000600070048-7

IDEA 0107 Copy # of #

9 February 1961

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MEMORANDUM FOR:	Chief, Operations Branch, DPD
SUBJECT:	Use of Burning Fuse to
1. The following is	at 1030 hours, 9 February 1961.
subject of the burning fur Research of the manufacthis individual was the r The following information between and	ted that to confirm his own opinions, on the use problem he had called the Director of cturing company. He further stated that most knowledgeable man in the business. on was obtained from the conversation the manufacturer.
sea level. (129 sec	ende per yard)
b. As pressu burning rate decrea 128 seconds per ya:	re is decreased (altitude increased) the ages until at 20,000 feet it is approximately rd.
lack of pressure. I	feet the fase will not burn at all due to the in fact if the fase is lighted at some low burning it is taken to 30,000 feet it will
d. The decre	ase of burning rate with increase of altitude no but a curve which is not very predictable.
o. At sea lev	rel the burning rate accuracy from roll to us 10% and the accuracy within a given roll

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te plus or minus 5%.

## SEGRET

- (burning portion) of the fuse takes place. This causes unpredicable and erratic burning, that is it will burn very rapidly for a time, then very slowly, etc. While this is unpredictable it does generally average out. But at times it could very well go all, or mostly, one way or the other. (This action is independent of the pressure problem).
- g. The above deficiencies could be sullified by placing the length to be burned in a heated pressurised container with a valve to keep the pressure constant during descent. 

  thinks the design and building of such a container would consume considerable time.

f. For the long pull it may be possible to have the manufacturer develop a special fuse to accomplish our task. No time estimate for this is available but time in the nature of months could be assumed.

SIGNED	
DPD/OPS/RS	

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